	Application No.	Applicant(s)
Notice of Allowability	09/489,570	BAER ET AL.
	Examiner	**Art Unit**	
	HUNG Q. PHAM	2162	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *02/16/2005*.

2. ☒ The allowed claim(s) is/are *1-6,8-17,19-31,33-42,44-56,58-67 and 69-75*.

3. ☒ The drawings filed on *28 June 2002* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 122104&021605

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *050505* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

SHAHID ALAM
PRIMARY EXAMINER

DETAILED ACTION

Information Disclosure Statement

The information disclosure statements (IDS) submitted on 12/21/2004 and

02/16/2005 were filed after the mailing date of the first Office Action on 09/23/2004.

The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the

information disclosure statement is being considered by the examiner.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with applicants' attorney, Stuart B. Shapiro, on 05/05/2005.

The claims has been amended as follow:

On page 8, line 14, at claim 26 of the Amendment filed 02/16/2005

> ADD *computer* after "*a*" and before "*program storage device readable by a*
>
> *machine*".

On page 10, line 15, at claim 36 of the Amendment filed 02/16/2005

> ADD *computer* after "*a*" and before "*program storage device readable by a*
>
> *machine*".

On page 13, line 10, at claim 48 of the Amendment filed 02/16/2005

ADD *computer* after "*a*" and before "*program storage device readable by a*

machine".

On page 14, line 11, at claim 49 of the Amendment filed 02/16/2005

ADD *computer* after "*a*" and before "*program storage device readable by a*

machine".

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

The closet available prior arts, The McGraw-Hill Companies [Build a Book

Online, http://web.archive.org/web/19980513002459/http://mhhe.com/primis/ and

http://www.mhhe.com/primis/catalog/pcatalog/primisweb.ppt] combined with USP

6,073,148 (issued to Rowe et al.), and USP 6,611,840 (issued to Baer et al.) combined

with copending application 09/489,576 also teach a method and program for storing a

book. However, theses references fail to teach or suggest the step of

storing as a file object within the data repository a list of content entity identifiers indicating

the content entities within the content object, wherein a hierarchical arrangement of the content entity

identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and

corresponds to a user-defined content object hierarchical structure, and wherein the content entity

identifiers are determined by the processing system and placed in the list in response to user selection

of the content entities for the content object, storing ones of the plurality of content entities within the

data repository as a plurality of individually accessible file objects, wherein each file object contains

one content entity, wherein the content entity identifiers each include identification information

identifying the file object containing the content entity associated with that identifier as in claims 1, 26 and 51;

storing as a file object within the data repository a hierarchical outline of containers and content entity identifiers defining the content and corresponding to a user-defined hierarchy of the content object, wherein each container represents an outline hierarchical tier and includes at least one content entity identifier forming a subordinate outline hierarchical tier, and wherein the content entity identifiers are determined by the processing system and placed in the outline in response to user selection of content entities for the content object, storing ones of the plurality of content entities within the data repository as a plurality of individually accessible file objects, wherein each file object contains one content entity, and wherein the content entity identifiers each include identification information identifying the file object containing the content entity associated with that identifier as in claims 11, 36 and 61;

retrieving the file object containing the list of content entity identifiers, wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and wherein each content entity is stored as an individually accessible file object within the data repository, for each content entity identifier, retrieving the individually accessible file object corresponding to the identified content entity, and inserting the content entity into the ordered list at the location of its content entity identifier as in claims 23, 48 and 73;

enabling modification of the presence and position of content entity identifiers within said list by a user to alter the content and structure of the content object, wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, for each content entity identifier, retrieving the individually accessible file object corresponding to the identified

content entity, and inserting the content entity into the ordered list at the location of its content entity identifier as in claims 24, 49 and 74.

Therefore, the invention is allowable over the prior arts of record for being directed to a combination of claimed elements including the providing steps as indicated above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to HUNG Q. PHAM whose telephone number is 571-272-

4040. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, JOHN E. BREENE can be reached on 571-272-4107. The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

HUNG Q PHAM
Examiner
Art Unit 2162

September 27, 2005

SHAHID ALAM
PRIMARY EXAMINER